

EEEEEEEEE XX XX AAAAAAA MM MM PPPPPPPP LL EEEEEEEEEE SSSSSSS
EEEEEEEEE XX XX AAAAAAA MM MM PPPPPPPP LL EEEEEEEEEE SSSSSSS
EEEEEEEEE XX XX AAAAAAA MM MM PPPPPPPP LL EEEEEEEEEE SSSSSSS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MM MM MM PP PP LL EE SS
EE XX XX AA AA MM MM MM PP PP LL EE SS
EE XX XX AA AA MM MM MM PP PP LL EE SS
EEEEEEEEE XX AA AA MM MM PPPPPPPP LL EEEEEEEEEE SSSSS
EEEEEEEEE XX AA AA MM MM PPPPPPPP LL EEEEEEEEEE SSSSS
EEEEEEEEE XX AA AA MM MM PPPPPPPP LL EEEEEEEEEE SSSSS
EE XX XX AAAAAAAA MM MM PP LL EE SS
EE XX XX AAAAAAAA MM MM PP LL EE SS
EE XX XX AAAAAAAA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EEEEEEEEEE SSSSSSS
EEEEEEEEE XX XX AA AA MM MM PP LLLLLLLL EEEEEEEEEE SSSSSSS
EEEEEEEEE XX XX AA AA MM MM PP LLLLLLLL EEEEEEEEEE SSSSSSS
EEEEEEEEE XX XX AA AA MM MM PP LLLLLLLL EEEEEEEEEE SSSSSSS

LL BBBBBBBBBB RRRRRRRR MM MM AAAAAA CCCCCCCC
LL BBBBBBBBBB RRRRRRRR MM MM AAAAAA CCCCCCCC
LL BB BB RR RR MMMM MMMM AA AA CC
LL BB BB RR RR MMMM MMMM AA AA CC
LL BB BB RR RR MM MM AA AA CC
LL BB BB RR RR MM MM AA AA CC
LL BBBBBBBBBB RRRRRRRR MM MM AA AA CC
LL BBBBBBBBBB RRRRRRRR MM MM AA AA CC
LL BB BB RR RR MM MM AAAAAAA CC
LL BB BB RR RR MM MM AAAAAAA CC
LL BB BB RR RR MM MM AA AA CC
LL BB BB RR RR MM MM AA AA CC
LLLLLLLLLL BBBBBBBBBB RR RR MM MM AA AA CCCCCCCC
LLLLLLLLLL BBBBBBBBBB RR RR MM MM AA AA CCCCCCCC
101

MM MM AAAAAA RRRRRRRR
MM MM AAAAAA RRRRRRRR
MMMM MMMM AA AA RR RR
MMMM MMMM AA AA RR RR
MM MM AA AA RR RR
MM MM AA AA RR RR
MM MM AA AA RRRRRRRR
MM MM AA AA RRRRRRRR
MM MM AAAAAAA RR RR
MM MM AAAAAAA RR RR
MM MM AA AA RR RR

.TITLE demo.mac
.IDENT 'V04=000'

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Macros

\$credef : Define create options array offsets
\$dscdef : Define string descriptor offsets
\$lbrdef : Define librarian parameters
\$lbrctltbl : Define library control table offsets
\$namdef : Define NAM block offset

Set up FORTRAN COMMON block to allow FORTRAN main program to
access librarian data

.PSECT lbrdata, PIC, OVR, REL, GBL, SHR, NOEXE, RD, WRT, LONG

.long lbr\$C_read	: func_read
.long lbr\$C_create	: func_create
.long lbr\$C_update	: func_update
.long lbr\$C_typ_txt	: type_text
.long lbr\$C_typ_hlp	: type_help
.long rmss\$eof	: rmseof
.long dsc\$K_class_d	: class_dynamic
	: offsets into create options array
	: values are divided by 4 to convert byte
	: offsets into longword offsets
.long cre\$L_type/4	: type of library
.long cre\$L_keylen/4	: max key length
.long cre\$L_alloc/4	: initial library disk allocation
.long cre\$L_idxmax/4	: number of indices
.long cre\$L_uhdmax/4	: size of additional module header data
.long cre\$L_entall/4	: number of index entries to preallocate

.SBTTL nam_init - Initialize RMS NAM block

;+ Initialize array to be an RMS NAM block

Calling sequence:

call nam_init (nam_array, result_desc)

Inputs:

nam_array Address of array of ? bytes to be initialized
as a NAM block

result_desc Address of string descriptor for resultant name
string.

Outputs:

The nam_array is initialized as a NAM block, with the expanded
and resultant name strings pointing to the string described by
result_desc.

Routine value:

Always success

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.PSECT \$code\$, PIC, REL, SHR, EXE, RD, NOWRT

.ENTRY nam_init, "M<R2, R3, R4, R5, R6>

movl 4(AP), r6 ; Get address of NAM block
movc5 #0, (SP) #0, #namSc_bln, (r6) ; Zero the NAM block
movl 8(AP), R6 ; Get address of resultant name string descriptor
\$NAM_STORE NAM = R6,- ; Initialize the NAM fields
BLN = #namSc_bln,- ; block length
BID = #namSc_bid,- ; block id
RSS = dsc\$w_Length(R0),- ; resultant name string size
ESS = dsc\$w_Length(R0),- ; expanded name string size
RSA = @dsc\$w_pointer(R0),- ; resultant name string address
ESA = @dsc\$w_pointer(R0) ; expanded name string address

movl #1,r0 ; Return with success

ret

.END

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EXAMPLES